

Converting Colors

`RYB(106, 47, 181)`

Have a look what the booklet for
RYB(106, 47, 181) contains.

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Color

R_YB(106, 47, 181)

Conversions

Conversions Part 1

Format	Color
Hex	6A2FB5
RGB	106, 47, 181
RGB Percent	42%, 18%, 71%
CMY	0.5843, 0.8157, 0.2902
CMYK	0.41, 0.74, 0.00, 0.29
HSL	266°, 59%, 45%
HSV	266°, 74%, 71%
XYZ	15.3009, 8.4334, 44.5374
YIQ	79.9170, -7.8500, 54.1820

Conversions

Conversions Part 2

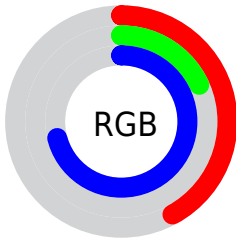
Format	Color
R _Y B	106, 47, 181
Decimal	6959029
CIE Lab	34.87, 52.73, -60.76
CIE LCh	35, 80.448, 310.954
Yxy	8.4334, 0.2241, 0.1235
Android (android.graphics.Color)	4285149109 (0xFF6A2FB5)
YUV	79.9170, 49.8339, 22.8748
Hunter-Lab	29.0403, 43.2282, -70.6014

Details

The RYB color **106, 47, 181** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **47, 181, 106**, and the grayscale version is **79, 79, 79**.

A 20% lighter version of the original color is **163, 99, 238**, and **47, 0, 127** is the 20% darker color. If you saturate the color by 10%, you get **96, 29, 181**, and if you desaturate by 10%, it is **116, 65, 181**.

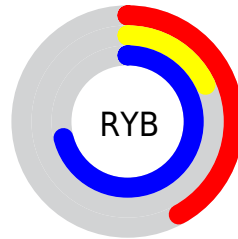
Distribution



Red (42%)

Green (18%)

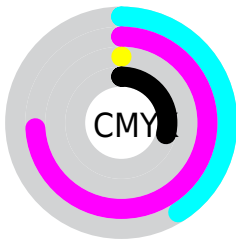
Blue (71%)



Red (42%)

Yellow (18%)

Blue (71%)

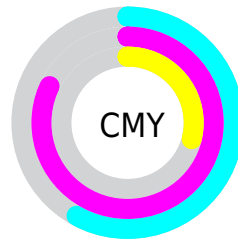


Cyan (41%)

Magenta (74%)

Yellow (0%)

Black (29%)



Cyan (58%)

Magenta (82%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 47, 181 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 106, 47, 181 by changing the saturation by 10% instead.



106, 47, 181



106, 47, 181

255, 255, 255



77, 19, 154



163, 99, 238



47, 0, 127



192, 125, 255



6, 0, 101



221, 152, 255



0, 0, 76



251, 179, 255



0, 4, 52



255, 208, 255



0, 2, 30



255, 236, 255



0, 0, 0



106, 47, 181



106, 47, 181



96, 29, 181



116, 65, 181

86, 11, 181

126, 83, 181

80, 0, 181

136, 101, 181

147, 119, 181

157, 138, 181

167, 156, 181

177, 174, 181

181, 192, 186

181, 210, 194

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 60, 211



106, 47, 181



170, 0, 125

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



106, 47, 181



133, 120, 0



0, 53, 106

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



106, 47, 181



47, 181, 106

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 77, 104



106, 47, 181



0, 87, 7

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



106, 47, 181



171, 0, 0



0, 99, 99



0, 65, 166

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



106, 47, 181



186, 0, 83



0, 99, 99



0, 59, 105

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



106, 47, 181



206, 183, 235



47, 95, 181



100, 87, 117



245, 245, 245



117, 117, 117

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



106, 47, 181



118, 26, 235



172, 47, 181



84, 80, 89



67, 0, 153



11, 0, 26

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



181, 47, 122



235, 26, 143



47, 181, 172



89, 80, 85



153, 0, 86



26, 0, 14

Previews

White Background



This preview shows how the RYB color 106, 47, 181 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 106, 47, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

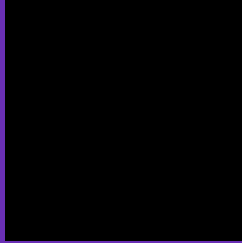
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 106, 47, 181 Background



This preview shows how black text looks on a background with the R Y B color 106, 47, 181.

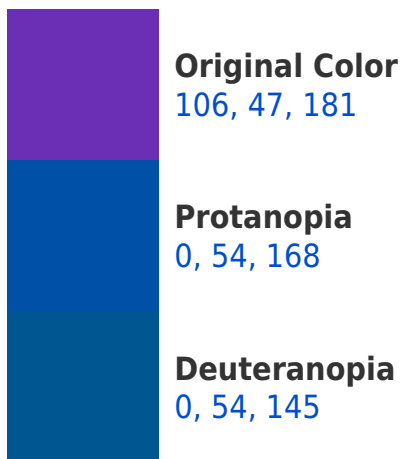


This preview shows how white text looks on a background with the R Y B color 106, 47, 181.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
85, 81, 87

Trichromacy



Original Color

106, 47, 181



Protanomaly

39, 63, 173



Deuteranomaly

39, 64, 158



Tritanomaly

93, 69, 121

Monochromacy



Original Color

106, 47, 181



Achromatopsia

80, 80, 80



Achromatomaly

89, 68, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 47, 181 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 47, 181)` looks like.

```
.text, #text, p{  
    color:rgb(106, 47, 181)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 47, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 47, 181) }
```

Border

The CSS property to change the border of an element to RYB 106, 47, 181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 47, 181) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(106, 47, 181) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(106, 47, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 47, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 47, 181);  
box-shadow:4px 4px 4px 4px rgb(106, 47,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 106, 47, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 47, 181) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106, 47,  
181) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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